

## ABSTRACT

In a heavy duty pneumatic tire comprising a carcass layer, an innerliner layer and an inner face protection layer arranged therebetween, the inner face protection layer is comprised of a rubber layer A and a rubber layer B, and a rubber composition constituting each layer is compounded with a rubber component, sulfur and a cobalt compound of an organic acid, and an amount of sulfur compounded satisfies the following equations (I) and (II):

$$S_A < S_B \leq S_C \cdots \cdots (I) \quad 2 \leq S_A \leq 4 \cdots \cdots (II)$$

(wherein  $S_A$ ,  $S_B$  and  $S_C$  are an amount of sulfur compounded in a rubber composition constituting the rubber layer A, rubber layer B and the carcass layer, respectively, based on 100 parts by mass of the rubber component), and such a heavy duty pneumatic tire suppresses the creeping of the carcass rubber and also prevents the breakage of the inner face protection layer in the use at high-temperature, humid areas.